

No.	ROD	Category	Section	Goal/Expectation	Decision/Action	Responsible Parties/Staff	Verification	Deadline
Measures adopted in the SEIS ROD apply only to the PAPA and, if feasible, work in conjunction with measures in the RMP.								
ADAPTIVE MANAGEMENT								
1	2.3/2.12/3.6 Pgs 6/19/24 Appx B.2-4	Adaptive Management/ Wildlife Matrix	Adaptive Management	ROD Compliance	Wildlife matrix items are required to be monitored and mitigated.	BLM: Lisa Solberg, Theresa Gulbrandson; Therese Hartman.	Therese Hartman (WGF Liaison) to obtain update on status of current wildlife studies for the PAPA.	APM/Ongoing
COMPLIANCE								
2	Appx A	All	Various	ROD Compliance, successful planning development		BLM	BLM: Shelley Gregory	Ongoing
3	All	All	Various	Development as planned, ROD Compliance	Develop method for documenting ROD compliance (reporting, mitigation, monitoring). Database for tracking ROD compliance; need monitoring and mitigation tracking tool.	BLM: Shelley Gregory, Merry Gamper	BLM	Open
CULTURAL								
4	4.0 Page 25	Mitigation	Lander Trail Programmatic Agreement	Mitigate Adverse Effect	Expedite cultural resource clearances for Shell and Ultra within Lander Trail visibility analysis area and area of potential effect (APE) and mitigate adverse effects to setting and physical remnants of trail through use of BMPs and mitigation techniques. Finish original PA mitigation, develop new mitigation for possible development scenario.	BLM: Archs; Operators, SHPO, OCTA, NPS, ACHP, Alliance for Historic WY	BLM/Signature document addressing new development scenario	ROD + 10 years.
5	HR 146-182 Subtitle D	Paleontological Resources Preservation	Paleontological Resources Preservation	Protection and Preservation of Paleontological Resources	All paleontological resource considerations will adhere to the conditions, requirements, specifications, enforcement, and penalties as detailed in the Omnibus Omnibus Public Land Management Act of 2009, Title VI - Department of Interior Authorizations - Subtitle D (S. 320).	BLM: Archs	BLM	Ongoing
DEVELOPMENT								
6	Appx A	Practices and Restrictions	All	Specific Development as Permitted	Restrictions, conditions of approval, administrative requirements, mitigation requirements, and/or best management practices contained within Appendix A are designed to reduce or eliminate impacts and will be applied to APDs and rights-of-way during the site-specific review where necessary. They are subject to adaptive management and exceptions.	BLM	BLM	Ongoing
7	All	All	APDs	Development in compliance with the ROD.	Conditions of Approval need to meet ROD requirements. If non-compliant, stop work order may be issued.	BLM: Merry Gamper	BLM	Ongoing
8	All	All	Various	ROD Compliance, documenting adaptive management and successful mitigation	Exceptions need to be documented. Merry to develop method for tracking exceptions.	BLM: Merry Gamper	BLM	Open
9	All	All	APDs	APD Compliance with ROD	Build tracking tool for APD & CX expirations. Create tool to track: Mas, Das, PDAs. Exception layer map posted on web. May not be necessary as all APD's are now CX 3 and are inherently tracked. CARAT and Surface Disturbance updates.	BLM: Merry Gamper	BLM	Open
10	All	All	All	Ensure all key parties (especially BLM) have accurate working number of total well count.	Need number of wells drilled to date. (11.08)	BLM: Merry Gamper	BLM	APM - Completed for 2009
11	2.3 Page 4	All	Leasing Decisions	Flank Mitigation	Suspension of additional activity on certain leases, including 49,903 acres inside the PAPA - 16,954 of which are big game winter ranger and 37,019 are within two miles of sage-grouse leks.	Operators	BLM, Operators	ROD + 60 Months (9.12.13)
12	2.4 Page 6	All	Transition Period	Flexibility from concentrated development and delineation	Determine operating schedules and construction windows, identify pads for interim reclamation, acquire new equipment.	Operators	BLM, Operators	ROD + 24 Months (9.12.10)

No.	ROD	Category	Section	Goal/Expectation	Decision/Action	Responsible Parties/Staff	Verification	Deadline
13	2.4 Page 6	All	Decision/APM	ROD Compliance/Adaptive Management	Main purpose of APM is to obtain drilling locations and evaluate adaptive management actions. Expect this drilling forecasts to be provided by industry in by roughly November annually. Transition period for proper planning.	BLM: Merry Gamper, Shelley Gregory; WGF, Operators.	BLM review. Other agencies. Database.	APM - Completed for 2009
14	2.6 Page 6	All	Well Pads	ROD Compliance	Tracking the number of pads & pad locations (database). Operators to submit surface disturbance data. Update this data twice a year.	Operators, BLM: Merry Gamper	BLM, Operators. CARAT is used currently as database; once the USGS database is functioning, it will be used.	Ongoing. APM deadline (2.24-26.09) + 6 months (8.09).
15	7.0 Page 36	Project Components	Approved Project Components	Specific Development as Permitted	Project development allowances permitted. Development beyond the specific levels will require additional environmental analysis.	BLM, Operators, WDEQ, EPA	BLM. Specific thresholds for: well pads (limit 600), pipeline corridors (three), ancillary facilities specific acreage limits noted on pgs. 37-40.	Ongoing
16	NA	Coordination & Communication	ROD Implementation	Effective ROD implementation	Protocol for filing and entering inspections into AFMSS and well records.	BLM: NRS/LIE Staff	BLM: Merry Gamper	Open
LEASING								
17	2.3 Page 6	Development	Drilling	Lease Suspensions	Address on case-by-case basis	BLM: Bill Lanning, Jack Hanson	Confirmation letter from PFO, Central Files 3100 and Lease File. Cheyenne does final suspension.	Ongoing
MITIGATION AND MONITORING (PAPO)								
18	2.9 Page 17	Monitoring and Mitigation Fund	Mitigation and Monitoring Fund	ROD Compliance/Ability to successfully mitigate impacts as noted in ROD	Tracking & monitoring of the fund	PAPO	PAPO: Jim Lucas	Ongoing
19	2.9 Page 17	Monitoring	Mitigation and Monitoring Fund	Resource protection, continuing monitoring efforts	New monitoring per ROD to be paid for through the established PAPA monitoring fund.	BLM, Therese Hartman	BLM	Ongoing
20	2.9 Page 17 3.6 Page 24 4.6.1 Page 31 Appx E-2	Off-Site Mitigation	Mitigation and Monitoring Fund	Offset Impacts	Ultra, Shell and Questar will contribute to Pinedale Anticline Operators' Monitoring and Mitigation Fund. Initial contribution of \$4.2M, future annual contributions of \$7,500/well spud/year, total contribution of \$36 million.	Operators	Fund Board, Wildlife Heritage Foundation	On establishment of fund. Annually thereafter.
21	2.9 Page 17	Geographic Management	Mitigation and Monitoring Fund	On-site and off-site mitigation and activities	Managed by the Pinedale Anticline Monitoring and Mitigation Board consisting of designees from the BLM, Wyoming Dept. of Ag., WGFD, WDEQ, and a Sublette County Commissioner. Board will generate, approve, and fund appropriate project proposals. Funds will be managed by Wildlife Heritage Foundation.	Board, BLM, WDA, WGFD, WDEQ, Sublette Commissioner	Fund Board, Wildlife Heritage Foundation	Ongoing
22	2.10 Page 18	Pinedale Anticline Project Office	Pinedale Anticline Project Office	Overall management.	PAPO Organization Plan.	PAPO	PAPO: Jim Lucas	Completed 5.7.09.
23	2.10 Page 18	Pinedale Anticline Project Office	Pinedale Anticline Project Office	Communication	PAPO will establish protocol to coordinate closely with the Board, PAWG, and JIO.	PAPO	PAPO: Jim Lucas	Completed 5.7.09.
24	2.10 Page 18	Pinedale Anticline Project Office	Pinedale Anticline Project Office	Overall management. Track impacts on the PAPA.	Obtain, collect, store, distribute monitoring information to support adaptive management and analyze mitigation projects. PAPO to maintain SEIS Central Files.	PAPO	Board, PAWG, PAPO	Ongoing
25	4.0 Page 25	Mitigation	Monitoring	Resource protection, continuing monitoring efforts	Old monitoring that has carried forward from previous ROD.	BLM	BLM	Ongoing

No.	ROD	Category	Section	Goal/Expectation	Decision/Action	Responsible Parties/Staff	Verification	Deadline
26	4.6.2 Page 31	Mitigation	Pinedale Anticline Project Office	Coordination	PAPO will coordinate mitigation projects, in a cooperative effort with Wyoming Landscape Conservation Initiation and JIO.	PAPO, WLCI, JIO	PAPO: Jim Lucas	Ongoing
27	Appx E-2 E.3.1	Adaptive Management	Pinedale Anticline Project Office	PAPO oversight.	An Agency Managers Committee consisting of representatives from BLM, WDEQ, and WGFD will meet to provide senior-level guidance, evaluate past progress, and review staffing levels and future needs.	AMC	PAPO: Jim Lucas	Annually
28	Appx E-2	Adaptive Management	Pinedale Anticline Project Office	Successful PAPO Organization	Board fully appointed on 3.6.09. Charter executed on 12.8.08. Escrow agreement signed 12.17.08.	PAPO	PAPO: Jim Lucas	ROD + 3 Months (12.12.08). Completed.
RANGE								
29	4.3 Page 30	Mitigation	Grazing	Livestock Protection	Memorandum of Agreement. Three local operator administrators and three permittee representatives determine application of livestock mitigation funds. The MOA has been updated and the permittee advisors elected. In compliance with ROD.	Operators, BLM: Summer Schulz, Bill Lanning	Submittal of Memorandum of Agreement.	Completed 7.7.09
30	Appx. A.8 A-12/13	Range	Stock Driveways	No surface occupancy	Avoid range improvements by 500 feet.	BLM: Summer Schulz	Range staff on-sites and CARAT reviews.	Open
RECLAMATION								
31	Appx A	Practices and Restrictions	All	Specific Development as Permitted	Restrictions, conditions of approval, administrative requirements, mitigation requirements, and/or best management practices contained within Appendix A are designed to reduce or eliminate impacts and will be applied to APDs and rights-of-way during the site-specific review where necessary. They are subject to adaptive management and exceptions.	BLM	BLM	Ongoing
32	Appx A-10	Reclamation	Reclamation	ROD Compliance	All individual rights-of-way, APD, or other applications will include reclamation plans	Applicants	BLM	Ongoing
33	Appx C	Reclamation	Reclamation	ROD Compliance, Habitat Restoration	Reclamation monitoring plan to be developed incorporating interim and final standards.	BLM: DeeJ Brown	BLM	ROD + 12 Months (9.12.09). Completed. Annually.
34	Appx C.2-2	Reclamation	Plan and Reports	ROD Compliance, Habitat Restoration	Reclamation and Monitoring Plan including appropriate quantitative and qualitative reclamation and monitoring standards. Annual ERRP Reports indicating reclamation status of all locations. Surface disturbance reports will include "as built" GIS data.	Operators	BLM at APM, annual inspections and evaluations on the first and third growing seasons post seeding.	ROD + 12 Months (9.12.09). Completed. Annually.
35	Appx C.3-2	Reclamation	Monitoring and Evaluation	ROD Compliance, Habitat Restoration	Monitoring and evaluation report. Should set criteria not be met, additional measures will be implemented.	Operators	BLM, Cooperating Agencies	3 weeks prior to APM, Annually
36	SEIS 4.20.3.5 4-166	Reclamation	Alternative D	Lessen impacts to wintering big game, reduce fragmentation and edge length, and leave large areas without development while development is concentrated in other areas.	Interim reclamation would be conducted on well pads where there is no development for two years (Appendix 8D).	Operators	BLM	Ongoing
WATER								
37	4.2 Page 29	Mitigation	Groundwater	Contamination prevention, water quality protection	Interim GW/Aquifer Pollution Prevention, Mitigation, and Monitoring Plan. Develop funding strategy to initiate groundwater characterization.	BLM, WDEQ, EPA, Operators. (Merry Gamper, Dennis Doncaster & Rick Schuller to initiate)	BLM, Operators, WDEQ-WQD, EPA	ROD + 3 Months (1.12.09). Completed 1.6.09.
38	4.2 Page 29	Mitigation	Groundwater	Contamination prevention, water quality protection	BLM and regulatory agencies will work with Operators to develop the Groundwater Characterization and finalize the GW/Aquifer Pollution Prevention, Mitigation, and Monitoring Plan.	BLM, WDEQ, EPA, Operators. (Merry Gamper, Dennis Doncaster & Rick Schuller to initiate)	BLM, Operators, WDEQ-WQD, EPA	Ongoing

No.	ROD	Category	Section	Goal/Expectation	Decision/Action	Responsible Parties/Staff	Verification	Deadline
39	4.2 Page 29	Mitigation	Groundwater	Contamination prevention, water quality protection	Installation of backflow prevention devices and locks on all water supply wells.	Operators	BLM	ROD + 6 Months (3.12.09). Completed 3.1.09.
40	4.2 Page 29	Mitigation	Groundwater	Contamination prevention, water quality protection	Update Pollution Prevention, Mitigation, and Monitoring Plan based on GW characterization.	BLM, Operators, WDEQ-WQD, EPA. Funded by Operators separate from Monitoring and Mitigation Fund.	BLM, Operators, WDEQ-WQD, EPA	Completion of GW characterization + 6 months
41	4.2 Page 30	Mitigation	Groundwater	Hydrocarbon Contamination Mitigation, water quality protection	No approvals in the PAPA for ROW or new industrial water supply wells until the groundwater characterization is completed and hydrocarbon detections have been determined and effectively mitigated.	Operators, BLM	Finalization of Groundwater/Aquifer Pollution Prevention, Mitigation and Monitoring plan.	Ongoing
42	Appx A-16	Mitigation	Groundwater	Offset impacts.	Operators will submit freshwater withdrawal numbers at APM. Per acre foot fee for any withdrawal exceeding 100 acre feet required by USFWS based on the Colorado River Endangered Fish Recovery Program.	Operators	BLM, USFWS	APM
WILDLIFE								
43	4.4 Page 30	Mitigation	Threatened and Endangered Species	Adverse Impact Prevention	1) Operators' contribution to Recovery Program (\$8,531). 2) Instream river flows protected by state law. 3) Compliance with regulations (USFWS). 4) Continuation of surveys.	Operators	BLM. Verify #'s to calculate amount due. As of 2/5/09, has not been paid per Operator meeting.	Open
44	4.4 Page 30	Mitigation	Threatened and Endangered Species	Adverse Impact Prevention	Within .25 mile of prairie dog towns, raptor anti-perching devices will be installed on all above ground facilities. Powerlines will be buried and power poles placement near towns will be avoided.	Operators	Not Indicated/BLM	Ongoing
45	4.5 Page 30	Mitigation	Wildlife and Aquatic Resources	Adverse Impact Prevention	Wildlife Monitoring and Mitigation Plan. Living document.	Operators, WGFD, BLM	Plan submittal and approval by BLM AO.	Due 4.1.09. Completed 4.1.09.